

EAST Search History

EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	19789	zero closure seal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/17 07:11
L20	2	"US 20070185453"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2011/11/17 07:32
S1	126	("20020007153" "20020010425" "20030060770" "20030187397" "20040049173" "20040064100" "20040111060" "20040147949" "20040230161" "3504699" "3773233" "4436519" "4601710" "4610665" "4654030" "4655752" "4902280" "4931042" "4932633" "5030206" "5053013" "5104383" "5203773" "5209737" "5211634" "5246425" "5300033" "5308336" "5324270" "5342315" "5364372" "5366445" "5385552" "5385553" "5441041" "5456284" "5467762" "5534009" "5542931" "5569160" "5578016" "5584850" "5603702" "5628732" "5643301" "5743884" "5792113" "5800451" "5807338" "5895377" "6017356" "6024729" "6086603" "6093176" "6254529" "6277100" "6302852" "6352520" "6569120" "6610031" "6613063" "6685630" "6702787"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/03 06:49

S2	115	604/167.06.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/02 16:05
S3	2	"5209737".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/03 06:49
S4	49	(US-5285944-\$ or US-5383882-\$ or US-5392979-\$ or US-5618306-\$ or US-5810877-\$ or US-5976159-\$ or US-5271380-\$ or US-5312354-\$ or US-5334185-\$ or US-5407427-\$ or US-5431151-\$ or US-5501698-\$ or US-5562690-\$ or US-5577993-\$ or US-5685820-\$ or US-5897523-\$ or US-5980544-\$ or US-6007481-\$ or US-6090120-\$ or US-5234438-\$ or US-5395312-\$ or US-5417702-\$ or US-5421338-\$ or US-5423833-\$ or US-5431323-\$ or US-5547458-\$).did. or (US-5549606-\$ or US-5591188-\$ or US-5613939-\$ or US-5628758-\$ or US-5630831-\$ or US-5672179-\$ or US-5713919-\$ or US-5720756-\$ or US-5725537-\$ or US-5797536-\$ or US-5817119-\$ or US-5824002-\$ or US-5891140-\$ or US-5997565-\$ or US-6063098-\$ or US-6080175-\$ or US-6129713-\$ or US-6162235-\$ or US-6206844-\$ or US-6214023-\$ or US-3613684-\$ or US-3570498-\$ or US-3698396-\$).did.	USPAT	OR	OFF	2007/08/03 06:59
S5	0	S3 conical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/08/03 07:00

S6	13	S4 conical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/08/03 07:04
S7	126	("20020007153" "20020010425" "20030060770" "20030187397" "20040049173" "20040064100" "20040111060" "20040147949" "20040230161" "3504699" "3773233" "4436519" "4601710" "4610665" "4654030" "4655752" "4902280" "4931042" "4932633" "5030206" "5053013" "5104383" "5203773" "5209737" "5211634" "5246425" "5300033" "5308336" "5324270" "5342315" "5364372" "5366445" "5385552" "5385553" "5441041" "5456284" "5467762" "5534009" "5542931" "5569160" "5578016" "5584850" "5603702" "5628732" "5643301" "5743884" "5792113" "5800451" "5807338" "5895377" "6017356" "6024729" "6086603" "6093176" "6254529" "6277100" "6302852" "6352520" "6569120" "6610031" "6613063" "6685630" "6702787"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/03 07:04
S8	38	S7 conical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/08/03 09:50
S9	6	(US-20050065475-\$).did. or (US-5209737-\$ or US- 5628732-\$ or US-6217555- \$ or US-5662615-\$ or US- 5865807-\$).did.	US-PGPUB; USPAT	OR	OFF	2007/08/03 11:18

S10	126	("20020007153" "20020010425" "20030060770" "20030187397" "20040049173" "20040064100" "20040111060" "20040147949" "20040230161" "3504699" "3773233" "4436519" "4601710" "4610665" "4654030" "4655752" "4902280" "4931042" "4932633" "5030206" "5053013" "5104383" "5203773" "5209737" "5211634" "5246425" "5300033" "5308336" "5324270" "5342315" "5364372" "5366445" "5385552" "5385553" "5441041" "5456284" "5467762" "5534009" "5542931" "5569160" "5578016" "5584850" "5603702" "5628732" "5643301" "5743884" "5792113" "5800451" "5807338" "5895377" "6017356" "6024729" "6086603" "6093176" "6254529" "6277100" "6302852" "6352520" "6569120" "6610031" "6613063" "6685630" "6702787"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2007/08/03 11:18
S11	2	S9 S10	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2007/08/03 11:18
S12	119	604/167.06.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/29 11:45
S13	119	S12	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/29 11:45

S14	127	("20020007153" "20020010425" "20030060770" "20030187397" "20040049173" "20040064100" "20040111060" "20040147949" "20040230161" "3504699" "3773233" "4436519" "4601710" "4610665" "4654030" "4655752" "4902280" "4931042" "4932633" "5030206" "5053013" "5104383" "5203773" "5209737" "5211634" "5246425" "5300033" "5308336" "5324270" "5342315" "5364372" "5366445" "5385552" "5385553" "5441041" "5456284" "5467762" "5534009" "5542931" "5569160" "5578016" "5584850" "5603702" "5628732" "5643301" "5743884" "5792113" "5800451" "5807338" "5895377" "6017356" "6024729" "6086603" "6093176" "6254529" "6277100" "6302852" "6352520" "6569120" "6610031" "6613063" "6685630" "6702787"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/29 11:46
S15	38	S14 conical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/02/29 11:46
S16	38	S15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/02/29 11:46
S17	2	"6385552".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/02 06:13

S18	2	"5385552".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2008/03/02 06:14
S19	0	("2005/0096605").URPN.	USPAT	OR	OFF	2008/03/02 06:34
S20	49	(US-5285944-\$ or US-5383882-\$ or US-5392979-\$ or US-5618306-\$ or US-5810877-\$ or US-5976159-\$ or US-5271380-\$ or US-5312354-\$ or US-5334185-\$ or US-5407427-\$ or US-5431151-\$ or US-5501698-\$ or US-5562690-\$ or US-5577993-\$ or US-5685820-\$ or US-5897523-\$ or US-5980544-\$ or US-6007481-\$ or US-6090120-\$ or US-5234438-\$ or US-5395312-\$ or US-5417702-\$ or US-5421338-\$ or US-5423833-\$ or US-5431323-\$ or US-5547458-\$).did. or (US-5549606-\$ or US-5591188-\$ or US-5613939-\$ or US-5628758-\$ or US-5630831-\$ or US-5672179-\$ or US-5713919-\$ or US-5720756-\$ or US-5725537-\$ or US-5797536-\$ or US-5817119-\$ or US-5824002-\$ or US-5891140-\$ or US-5997565-\$ or US-6063098-\$ or US-6080175-\$ or US-6129713-\$ or US-6162235-\$ or US-6206844-\$ or US-6214023-\$ or US-3613684-\$ or US-3570498-\$ or US-3698396-\$).did.	USPAT	OR	OFF	2008/03/02 07:30
S21	13	S20 conical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/03/02 07:30
S22	13	S21	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2008/03/02 07:30

S23	2	"US 20070185453"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2009/02/25 19:10
S24	127	("20020007153" "20020010425" "20030060770" "20030187397" "20040049173" "20040064100" "20040111060" "20040147949" "20040230161" "3504699" "3773233" "4436519" "4601710" "4610665" "4654030" "4655752" "4902280" "4931042" "4932633" "5030206" "5053013" "5104383" "5203773" "5209737" "5211634" "5246425" "5300033" "5308336" "5324270" "5342315" "5364372" "5366445" "5385552" "5385553" "5441041" "5456284" "5467762" "5534009" "5542931" "5569160" "5578016" "5584850" "5603702" "5628732" "5643301" "5743884" "5792113" "5800451" "5807338" "5895377" "6017356" "6024729" "6086603" "6093176" "6254529" "6277100" "6302852" "6352520" "6569120" "6610031" "6613063" "6685630" "6702787"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/25 20:10
S25	135	604/167.06.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/25 20:10

S26	49	(US-5285944-\$ or US-5383882-\$ or US-5392979-\$ or US-5618306-\$ or US-5810877-\$ or US-5976159-\$ or US-5271380-\$ or US-5312354-\$ or US-5334185-\$ or US-5407427-\$ or US-5431151-\$ or US-5501698-\$ or US-5562690-\$ or US-5577993-\$ or US-5685820-\$ or US-5897523-\$ or US-5980544-\$ or US-6007481-\$ or US-6090120-\$ or US-5234438-\$ or US-5395312-\$ or US-5417702-\$ or US-5421338-\$ or US-5423833-\$ or US-5431323-\$ or US-5547458-\$).did. or (US-5549606-\$ or US-5591188-\$ or US-5613939-\$ or US-5628758-\$ or US-5630831-\$ or US-5672179-\$ or US-5713919-\$ or US-5720756-\$ or US-5725537-\$ or US-5797536-\$ or US-5817119-\$ or US-5824002-\$ or US-5891140-\$ or US-5997565-\$ or US-6063098-\$ or US-6080175-\$ or US-6129713-\$ or US-6162235-\$ or US-6206844-\$ or US-6214023-\$ or US-3613684-\$ or US-3570498-\$ or US-3698396-\$).did.	USPAT	OR	OFF	2009/02/25 20:10
S27	305	S24 S25 S26	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/02/25 20:10
S28	0	S27 conical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/02/25 20:11
S29	101	S27 conical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/02/25 20:11

S30	127	("20020007153" "20020010425" "20030060770" "20030187397" "20040049173" "20040064100" "20040111060" "20040147949" "20040230161" "3504699" "3773233" "4436519" "4601710" "4610665" "4654030" "4655752" "4902280" "4931042" "4932633" "5030206" "5053013" "5104383" "5203773" "5209737" "5211634" "5246425" "5300033" "5308336" "5324270" "5342315" "5364372" "5366445" "5385552" "5385553" "5441041" "5456284" "5467762" "5534009" "5542931" "5569160" "5578016" "5584850" "5603702" "5628732" "5643301" "5743884" "5792113" "5800451" "5807338" "5895377" "6017356" "6024729" "6086603" "6093176" "6254529" "6277100" "6302852" "6352520" "6569120" "6610031" "6613063" "6685630" "6702787"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/09/29 13:22
S31	142	604/167.06.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/09/29 13:22
S32	142	604/167.06.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2009/09/29 13:22

S33	49	(US-5285944-\$ or US-5383882-\$ or US-5392979-\$ or US-5618306-\$ or US-5810877-\$ or US-5976159-\$ or US-5271380-\$ or US-5312354-\$ or US-5334185-\$ or US-5407427-\$ or US-5431151-\$ or US-5501698-\$ or US-5562690-\$ or US-5577993-\$ or US-5685820-\$ or US-5897523-\$ or US-5980544-\$ or US-6007481-\$ or US-6090120-\$ or US-5234438-\$ or US-5395312-\$ or US-5417702-\$ or US-5421338-\$ or US-5423833-\$ or US-5431323-\$ or US-5547458-\$).did. or (US-5549606-\$ or US-5591188-\$ or US-5613939-\$ or US-5628758-\$ or US-5630831-\$ or US-5672179-\$ or US-5713919-\$ or US-5720756-\$ or US-5725537-\$ or US-5797536-\$ or US-5817119-\$ or US-5824002-\$ or US-5891140-\$ or US-5997565-\$ or US-6063098-\$ or US-6080175-\$ or US-6129713-\$ or US-6162235-\$ or US-6206844-\$ or US-6214023-\$ or US-3613684-\$ or US-3570498-\$ or US-3698396-\$).did.	USPAT	OR	OFF	2009/09/29 13:22
S34	49	(US-5285944-\$ or US-5383882-\$ or US-5392979-\$ or US-5618306-\$ or US-5810877-\$ or US-5976159-\$ or US-5271380-\$ or US-5312354-\$ or US-5334185-\$ or US-5407427-\$ or US-5431151-\$ or US-5501698-\$ or US-5562690-\$ or US-5577993-\$ or US-5685820-\$ or US-5897523-\$ or US-5980544-\$ or US-6007481-\$ or US-6090120-\$ or US-5234438-\$ or US-5395312-\$ or US-5417702-\$ or US-5421338-\$ or US-5423833-\$ or US-5431323-\$ or US-5547458-\$).did. or (US-5549606-\$ or US-5591188-\$ or US-5613939-\$ or US-5628758-\$ or US-5630831-\$ or US-5672179-\$ or US-	USPAT	OR	OFF	2009/09/29 13:22

		5713919-\$ or US-5720756-\$ or US-5725537-\$ or US-5797536-\$ or US-5817119-\$ or US-5824002-\$ or US-5891140-\$ or US-5997565-\$ or US-6063098-\$ or US-6080175-\$ or US-6129713-\$ or US-6162235-\$ or US-6206844-\$ or US-6214023-\$ or US-3613684-\$ or US-3570498-\$ or US-3698396-\$).did.				
S35	13	S34 conical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2009/09/29 13:22
S36	169	("20020007152" "20020007153" "20020010425" "20020111585" "20030040711" "20030050604" "20030060770" "20030109853" "20030181858" "20030187397" "20040006356" "20040049173" "20040059297" "20040064100" "20040111060" "20040147949" "20040204682" "20040210194" "20040230161" "20040260244" "20050020981" "20050065475" "20050096605" "20050131349" "20050165356" "20050171479" "20050212221" "20060041232" "3504699" "3773233" "4436519" "4601710" "4610665" "4654030" "4655752" "4902280" "4931042" "4932633" "5030206" "5053013" "5104383" "5104383" "5203773" "5209737" "5211634" "5246425" "5300033" "5308336"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/15 12:37

		"5324270" "5342315" "5342315" "5364372" "5366445" "5385552" "5385552" "5385553" "5441041" "5456284" "5467762" "5534009" "5542931" "5569160" "5578016" "5584850" "5603702" "5628732" "5643301" "5662615" "5743884" "5792113" "5800451" "5807338" "5865807" "5895377" "6017356" "6024729" "6086603" "6093176" "6217555" "6254529" "6277100" "6302852" "6352520" "6569120" "6610031" "6613063" "6685630" "6702787"). PN.				
S37	145	604/167.06.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/17 18:27
S38	127	("20020007153" "20020010425" "20030060770" "20030187397" "20040049173" "20040064100" "20040111060" "20040147949" "20040230161" "3504699" "3773233" "4436519" "4601710" "4610665" "4654030" "4655752" "4902280" "4931042" "4932633" "5030206" "5053013" "5104383" "5203773" "5209737" "5211634" "5246425" "5300033" "5308336" "5324270" "5342315" "5364372" "5366445" "5385552" "5385553" "5441041" "5456284" "5467762" "5534009" "5542931" "5569160" "5578016" "5584850" "5603702" "5628732" "5643301" "5743884" "5792113" "5800451" "5807338"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/17 18:27

		"5895377" "6017356" "6024729" "6086603" "6093176" "6254529" "6277100" "6302852" "6352520" "6569120" "6610031" "6613063" "6685630" "6702787"). PN.				
S39	49	(US-5285944-\$ or US-5383882-\$ or US-5392979-\$ or US-5618306-\$ or US-5810877-\$ or US-5976159-\$ or US-5271380-\$ or US-5312354-\$ or US-5334185-\$ or US-5407427-\$ or US-5431151-\$ or US-5501698-\$ or US-5562690-\$ or US-5577993-\$ or US-5685820-\$ or US-5897523-\$ or US-5980544-\$ or US-6007481-\$ or US-6090120-\$ or US-5234438-\$ or US-5395312-\$ or US-5417702-\$ or US-5421338-\$ or US-5423833-\$ or US-5431323-\$ or US-5547458-\$).did. or (US-5549606-\$ or US-5591188-\$ or US-5613939-\$ or US-5628758-\$ or US-5630831-\$ or US-5672179-\$ or US-5713919-\$ or US-5720756-\$ or US-5725537-\$ or US-5797536-\$ or US-5817119-\$ or US-5824002-\$ or US-5891140-\$ or US-5997565-\$ or US-6063098-\$ or US-6080175-\$ or US-6129713-\$ or US-6162235-\$ or US-6206844-\$ or US-6214023-\$ or US-3613684-\$ or US-3570498-\$ or US-3698396-\$).did.	USPAT	OR	OFF	2010/02/17 18:27
S40	315	S38 S37 S39	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/17 18:27

S41	49	(US-5285944-\$ or US-5383882-\$ or US-5392979-\$ or US-5618306-\$ or US-5810877-\$ or US-5976159-\$ or US-5271380-\$ or US-5312354-\$ or US-5334185-\$ or US-5407427-\$ or US-5431151-\$ or US-5501698-\$ or US-5562690-\$ or US-5577993-\$ or US-5685820-\$ or US-5897523-\$ or US-5980544-\$ or US-6007481-\$ or US-6090120-\$ or US-5234438-\$ or US-5395312-\$ or US-5417702-\$ or US-5421338-\$ or US-5423833-\$ or US-5431323-\$ or US-5547458-\$).did. or (US-5549606-\$ or US-5591188-\$ or US-5613939-\$ or US-5628758-\$ or US-5630831-\$ or US-5672179-\$ or US-5713919-\$ or US-5720756-\$ or US-5725537-\$ or US-5797536-\$ or US-5817119-\$ or US-5824002-\$ or US-5891140-\$ or US-5997565-\$ or US-6063098-\$ or US-6080175-\$ or US-6129713-\$ or US-6162235-\$ or US-6206844-\$ or US-6214023-\$ or US-3613684-\$ or US-3570498-\$ or US-3698396-\$).did.	USPAT	OR	OFF	2010/02/17 18:47
S42	38	(US-20050065475-\$ or US-20020007152-\$ or US-20020111585-\$ or US-20030040711-\$ or US-20030050604-\$ or US-20030109853-\$ or US-20030181858-\$ or US-20040006356-\$ or US-20040059297-\$ or US-20040210194-\$ or US-20040204682-\$ or US-20040230161-\$ or US-20040260244-\$ or US-20050020981-\$ or US-20050096605-\$ or US-20050165356-\$ or US-20050131349-\$ or US-20050171479-\$ or US-20050212221-\$ or US-20060041232-\$).did. or (US-6217555-\$ or US-5662615-\$ or US-5865807-\$ or US-5385552-\$ or US-	US-PGPUB; USPAT; DERWENT	OR	OFF	2010/02/18 08:06

		5104383-\$ or US-5342315-\$ or US-5743884-\$ or US-5246425-\$ or US-4932633-\$).did. or (EP-1459688-\$ or EP-567142-\$ or US-5342315-\$ or EP-696459-\$ or EP-567142-\$ or US-6610031-\$ or EP-594687-\$ or EP-1459688-\$ or US-5246425-\$ or US-5385552-\$ or US-5366445-\$).did.				
S43	11	S42 (duckbill or zero)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/02/18 08:07
S44	2	"6569120".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 09:15
S45	127	("20020007153" "20020010425" "20030060770" "20030187397" "20040049173" "20040064100" "20040111060" "20040147949" "20040230161" "3504699" "3773233" "4436519" "4601710" "4610665" "4654030" "4655752" "4902280" "4931042" "4932633" "5030206" "5053013" "5104383" "5203773" "5209737" "5211634" "5246425" "5300033" "5308336" "5324270" "5342315" "5364372" "5366445" "5385552" "5385553" "5441041" "5456284" "5467762" "5534009" "5542931" "5569160" "5578016" "5584850" "5603702" "5628732" "5643301" "5743884" "5792113" "5800451" "5807338" "5895377" "6017356" "6024729" "6086603" "6093176" "6254529" "6277100" "6302852"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 11:50

		"6352520" "6569120" "6610031" "6613063" "6685630" "6702787"). PN.				
S46	145	604/167.06.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 11:50
S47	49	(US-5285944-\$ or US- 5383882-\$ or US-5392979- \$ or US-5618306-\$ or US- 5810877-\$ or US-5976159- \$ or US-5271380-\$ or US- 5312354-\$ or US-5334185- \$ or US-5407427-\$ or US- 5431151-\$ or US-5501698- \$ or US-5562690-\$ or US- 5577993-\$ or US-5685820- \$ or US-5897523-\$ or US- 5980544-\$ or US-6007481- \$ or US-6090120-\$ or US- 5234438-\$ or US-5395312- \$ or US-5417702-\$ or US- 5421338-\$ or US-5423833- \$ or US-5431323-\$ or US- 5547458-\$).did. or (US- 5549606-\$ or US-5591188- \$ or US-5613939-\$ or US- 5628758-\$ or US-5630831- \$ or US-5672179-\$ or US- 5713919-\$ or US-5720756- \$ or US-5725537-\$ or US- 5797536-\$ or US-5817119- \$ or US-5824002-\$ or US- 5891140-\$ or US-5997565- \$ or US-6063098-\$ or US- 6080175-\$ or US-6129713- \$ or US-6162235-\$ or US- 6206844-\$ or US-6214023- \$ or US-3613684-\$ or US- 3570498-\$ or US-3698396- \$).did.	USPAT	OR	OFF	2010/02/18 11:50
S48	315	S45 S46 S47	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 11:50

S49	145	604/167.06.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 11:50
S50	49	(US-5285944-\$ or US-5383882-\$ or US-5392979-\$ or US-5618306-\$ or US-5810877-\$ or US-5976159-\$ or US-5271380-\$ or US-5312354-\$ or US-5334185-\$ or US-5407427-\$ or US-5431151-\$ or US-5501698-\$ or US-5562690-\$ or US-5577993-\$ or US-5685820-\$ or US-5897523-\$ or US-5980544-\$ or US-6007481-\$ or US-6090120-\$ or US-5234438-\$ or US-5395312-\$ or US-5417702-\$ or US-5421338-\$ or US-5423833-\$ or US-5431323-\$ or US-5547458-\$).did. or (US-5549606-\$ or US-5591188-\$ or US-5613939-\$ or US-5628758-\$ or US-5630831-\$ or US-5672179-\$ or US-5713919-\$ or US-5720756-\$ or US-5725537-\$ or US-5797536-\$ or US-5817119-\$ or US-5824002-\$ or US-5891140-\$ or US-5997565-\$ or US-6063098-\$ or US-6080175-\$ or US-6129713-\$ or US-6162235-\$ or US-6206844-\$ or US-6214023-\$ or US-3613684-\$ or US-3570498-\$ or US-3698396-\$).did.	USPAT	OR	OFF	2010/02/18 11:50
S51	145	604/167.06.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 11:50

S52	127	("20020007153" "20020010425" "20030060770" "20030187397" "20040049173" "20040064100" "20040111060" "20040147949" "20040230161" "3504699" "3773233" "4436519" "4601710" "4610665" "4654030" "4655752" "4902280" "4931042" "4932633" "5030206" "5053013" "5104383" "5203773" "5209737" "5211634" "5246425" "5300033" "5308336" "5324270" "5342315" "5364372" "5366445" "5385552" "5385553" "5441041" "5456284" "5467762" "5534009" "5542931" "5569160" "5578016" "5584850" "5603702" "5628732" "5643301" "5743884" "5792113" "5800451" "5807338" "5895377" "6017356" "6024729" "6086603" "6093176" "6254529" "6277100" "6302852" "6352520" "6569120" "6610031" "6613063" "6685630" "6702787"). PN.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 11:50
S53	315	S52 S51 S50	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 11:50
S54	2	"6569120".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 11:50
S55	315	S45 S46 S47 S48 S49 S50 S51 S52 S53 S54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 11:51

S56	72	S55 (duckbill or zero)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/02/18 11:51
S57	31	S56 conical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/02/18 11:52
S58	11	S56 conical @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/02/18 11:52
S59	165	S55 (duckbill or zero or close)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/02/18 11:52
S60	33	S59 conical @ay<"2002"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/02/18 11:53
S61	46	S59 conical @ay<"2003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/02/18 11:54
S62	201	S55 (duckbill or zero or close or tight)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/02/18 11:55
S63	50	S62 conical @ay<"2003"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/02/18 11:55

S64	229	604/167.01.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:42
S65	158	604/167.02.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:43
S66	264	604/167.03.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:43
S67	0	604/167.07.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:43
S68	0	604/167.08.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:43
S69	0	604/167.11.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:43
S70	238	604/164.11.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:44
S71	759	604/164.01.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:44

S72	84	604/164.02.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:44
S73	65	604/164.03.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:45
S74	90	604/164.07.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:45
S75	321	604/164.08.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:45
S76	112	604/165.01.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:45
S77	145	604/167.06.ccls.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:46
S78	2209	S64 S65 S66 S67 S68 S69 S70 S71 S72 S73 S74 S75 S76 S77	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:47
S79	148	S62 and S78	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/02/18 12:47

S80	38	S63 and S78	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/02/18 12:47
S81	114	604/164.04.cds.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/02/18 12:52
S82	0	S63 and S81	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	OFF	2010/02/18 12:52
S83	2	"6569120".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	OFF	2010/06/10 07:31
S84	0	("2005/0096605").URPN.	USPAT	OR	OFF	2010/09/08 12:17
S85	1	"6569120".pn.	USPAT	OR	OFF	2010/09/08 12:19
S86	185	zero closure seal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	OFF	2010/09/08 21:38
S87	190	zero closure seal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2010/09/08 21:39
S88	2	"US 20070185453"	US-PGPUB; USPAT; USOCR; DERWENT	OR	OFF	2010/09/08 22:29
S89	0	zero closure seal @ay<"2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/04/07 10:27

S90	9614	zero closure seal @ay< "2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/04/07 10:28
S91	246	zero closure seal	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/04/07 10:28
S92	47	S91 @ay< "2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/04/07 10:28
S93	3287	duck bill	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	WITH	ON	2011/04/07 10:48
S94	1771	S93 @ay< "2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/04/07 10:48
S95	176	S93 @ay< "2004" trocar	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/04/07 10:49
S96	85	S93 @ay< "2004" trocar conical	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/04/07 10:49
S97	2	"5342315".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/04/07 11:31

S98	0	"1994287395".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/04/07 11:44
S99	0	"19941287395".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/04/07 11:44
S100	49	(US-5285944-\$ or US-5383882-\$ or US-5392979-\$ or US-5618306-\$ or US-5810877-\$ or US-5976159-\$ or US-5271380-\$ or US-5312354-\$ or US-5334185-\$ or US-5407427-\$ or US-5431151-\$ or US-5501698-\$ or US-5562690-\$ or US-5577993-\$ or US-5685820-\$ or US-5897523-\$ or US-5980544-\$ or US-6007481-\$ or US-6090120-\$ or US-5234438-\$ or US-5395312-\$ or US-5417702-\$ or US-5421338-\$ or US-5423833-\$ or US-5431323-\$ or US-5547458-\$).did. or (US-5549606-\$ or US-5591188-\$ or US-5613939-\$ or US-5628758-\$ or US-5630831-\$ or US-5672179-\$ or US-5713919-\$ or US-5720756-\$ or US-5725537-\$ or US-5797536-\$ or US-5817119-\$ or US-5824002-\$ or US-5891140-\$ or US-5997565-\$ or US-6063098-\$ or US-6080175-\$ or US-6129713-\$ or US-6162235-\$ or US-6206844-\$ or US-6214023-\$ or US-3613684-\$ or US-3570498-\$ or US-3698396-\$).did.	USPAT	OR	OFF	2011/11/16 12:54
S116	9623	zero closure seal @ay<"2004"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AND	ON	2011/11/16 14:22

EAST Search History (Interference)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	9556	zero closure seal	USPAT; UPAD	AND	ON	2011/11/17 07:11
S101	123	604/167.06.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 12:46
S102	180	604/167.01.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 12:47
S103	147	604/167.02.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 12:47
S104	0	604/167.07.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 12:47
S105	209	604/164.11.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 12:47
S106	576	604/164.01.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 12:47
S107	76	604/164.02.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 12:48
S108	55	604/164.03.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 12:48
S109	72	604/164.07.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 12:48
S110	238	604/164.08.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 12:48
S111	110	604/165.01.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 12:48
S112	123	604/167.06.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 12:54
S113	1463	S101 S102 S103 S104 S105 S106 S107 S108 S109 S110 S112	USPAT; UPAD	OR	OFF	2011/11/16 12:54
S114	49	"Term Removed" or "Term Removed"	USPAT; UPAD	OR	OFF	2011/11/16 12:55
S115	1505	S113 S114	USPAT; UPAD	OR	OFF	2011/11/16 12:55
S117	7942	zero closure seal @ay< "2004"	USPAT; UPAD	AND	ON	2011/11/16 14:22
S118	123	604/167.06.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 14:23
S119	180	604/167.01.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 14:23
S120	147	604/167.02.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 14:23
S121	0	604/167.07.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 14:23
S122	209	604/164.11.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 14:23
S123	576	604/164.01.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 14:23
S124	76	604/164.02.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 14:23
S125	55	604/164.03.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 14:23
S126	72	604/164.07.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 14:23
S127	238	604/164.08.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 14:23
S128	123	604/167.06.ccls.	USPAT; UPAD	OR	OFF	2011/11/16 14:23
S129	1463	S118 S119 S120 S121 S122 S123 S124 S125 S126 S127 S128	USPAT; UPAD	OR	OFF	2011/11/16 14:23
S130	49	"Term Removed" or "Term Removed"	USPAT; UPAD	OR	OFF	2011/11/16 14:23
S131	1505	S129 S130	USPAT; UPAD	OR	OFF	2011/11/16 14:23
S132	15	S117 S131	USPAT; UPAD	AND	OFF	2011/11/16 14:23

11/17/2011 7:39:05 AM

C:\Documents and Settings\manderson\My Documents\EAST\Workspaces\10687502.wsp